IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re patent application of

Juhnyoung Lee, et al.

Serial No.: 09/848,427

Filed: May 4, 2001

For: **SYSTEM, METHOD AND VISUAL
INTERFACE FOR SEARCHING FOR
OBJECTS HAVING MULTIPLE ATTRIBUTES**

Docket No. YOR90200100207US1

Group Art Unit: No. 2164

Examiner: Unassigned

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Technology Center 2100

Box: Non-final amendment
Assistant Commissioner of Patents and Trademarks
Washington, D.C. 20231

AMENDMENT UNDER 37 C.F.R. §1.115

Sir:

Prior to initial examination, please amend the above-identified application as follows:

IN THE CLAIMS:

Please amend claims 5-19 as follows. A clean copy of amended claims 5-19 is provided in the attached separate sheet, entitled "Clean Copy of Claims."

1   5. (Amended) The system of claim 1, wherein the at least one sell bid comprises one or
2   more attributes.

1   6. (Amended) The system of claim 5, wherein the one or more attributes is a pair of
2   name and value, and is grouped into categories including product specification, service
3   specification, and supplier qualification.

1   7. (Amended) The system of claim 6, wherein the product specification includes
2   attributes such as price, material quality and properties, color and size

1   8. (Amended) The system of claim 6, wherein the service specification includes delivery

2   time and cost, and warranty.

1   9. (Amended) The system of claim 6, wherein the supplier qualification includes trading

2   history, experience and reputation.

1   10. (Amended) The system of claim 6, wherein the value range of a numeric attribute

2   specifies lower and upper limits of desirable attribute values, and the value range of a

3   categorical attribute specifies names that are acceptable for the category of the categories.

1   11. (Amended) The system of claim 1, wherein the at least one the sell bid is submitted

2   to one or more Request for Quote (RFQ).

1   12. (Amended) The system of claim 11, wherein:

2   the RFQ comprises one or more attributes;

3   the one or more sell bids represents any object that has one or more attributes; and

4   the RFQ represents any object that has one or more attributes.

1   13. (Amended) The system of claim 1, wherein the initial view generator module

2   comprises one or more RFQ view generator modules, one or more bid view generator

3   modules, and one or more bid scorer modules.

1   14. (Amended) The system of claim 13, wherein the one or more RFQ view generator

2   modules creates one or more RFQ views of input RFQ.

1   15. (Amended) The system of claim 13, wherein the one or more bid view generator

2   modules creates one or more bid views of input sell bids.

1   16. (Amended) The system of claim 13, wherein the one or more bid scorer modules

2   creates a score for each sell bid in the input set of the at least one sell bid, and ranks the at

3   least one sell bid by score.

1   17. (Amended) The system of claim 2, wherein the filtering module includes a show-top-

2   N operation that displays the bid lines of the at least one sell bid that are ranked top N by

3   the bid scorer module, where N is a number specified by the user.

1   18. (Amended) The system of claim 1, wherein the one or more target area modules at

2   least creates and modifies a region of desirable attribute value ranges in the bid view of

3   the visual interface.

1   19. (Amended) The system of claim 1, wherein the one or more target line modules

2   creates a set of attribute values on the bid view of the visual interface by using one or

more pointing device operations.

REMARKS

Claims 1-31 are currently pending in the application. By this amendment, claims 5-19 are amended. Attached hereto is a separate sheet entitled "Clean Copy of Claims" showing a clean copy of the amended claims. Examination on the merits is now requested. Charge any deficiencies and credit any overpayment of fees to Attorney's Deposit Account No. 23-1951.

Respectfully submitted,

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Clean Copy of Claims

The following is a clean copy of amended claims 5-19.

5. (Amended) The system of claim 1, wherein the at least one sell bid comprises one or more attributes.

6. (Amended) The system of claim 5, wherein the one or more attributes is a pair of name and value, and is grouped into categories including product specification, service specification, and supplier qualification.

7. (Amended) The system of claim 6, wherein the product specification includes attributes such as price, material quality and properties, color and size

8. (Amended) The system of claim 6, wherein the service specification includes delivery time and cost, and warranty.

9. (Amended) The system of claim 6, wherein the supplier qualification includes trading history, experience and reputation.

10. (Amended) The system of claim 6, wherein the value range of a numeric attribute specifies lower and upper limits of desirable attribute values, and the value range of a categorical attribute specifies names that are acceptable for the category of the categories.

11. (Amended) The system of claim 1, wherein the at least one the sell bid is submitted to one or more Request for Quote (RFQ).

12. (Amended) The system of claim 11, wherein:

the RFQ comprises one or more attributes;

the one or more sell bids represents any object that has one or more attributes; and

the RFQ represents any object that has one or more attributes.

13. (Amended) The system of claim 1, wherein the initial view generator module comprises one or more RFQ view generator modules, one or more bid view generator modules, and one or more bid scorer modules.

14. (Amended) The system of claim 13, wherein the one or more RFQ view generator modules creates one or more RFQ views of input RFQ.

15. (Amended) The system of claim 13, wherein the one or more bid view generator modules creates one or more bid views of input sell bids.

16. (Amended) The system of claim 13, wherein the one or more bid scorer modules creates a score for each sell bid in the input set of the at least one sell bid, and ranks the at least one sell bid by score.

17. (Amended) The system of claim 2, wherein the filtering module includes a show-top-N operation that displays the bid lines of the at least one sell bid that are ranked top N by the bid scorer module, where N is a number specified by the user.

18. (Amended) The system of claim 1, wherein the one or more target area modules at least creates and modifies a region of desirable attribute value ranges in the bid view of the visual interface.

19. (Amended) The system of claim 1, wherein the one or more target line modules

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creates a set of attribute values on the bid view of the visual interface by using one or more pointing device operations.